

DESCRIPTION OF TABLES AND CHARTS.

Table I gives the data ordinarily needed for climatological studies for about 158 Weather Bureau stations, making simultaneous observations at 8 a. m. and 8 p. m., daily, 75th meridian time, and for about 41 others making only one observation. The altitudes of the instruments above ground are also given.

Table II gives a record of precipitation, the intensity of which at some period of the storm's continuance equaled or exceeded the following rates:

Duration (minutes).....	5	10	15	20	25	30	35	40	45	50	60
Rates per hour (inches).....	3.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.87	0.84	0.80

It is impracticable to make this table sufficiently wide to accommodate on one line the record of accumulated falls that continue at an excessive rate for several hours. In this case the record is broken at the end of each 50 minutes, the accumulated amounts being recorded on successive lines until the successive rate ends.

In cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred the greatest precipitation of any single storm has been given, also the greatest hourly fall during that storm.

The tipping-bucket mechanism is *dismounted* and removed when there is danger of snow or water freezing in the same. Table II records this condition by entering an asterisk (*).

Table III gives, for about 30 stations of the Canadian Meteorological Service, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values except in the case of snowfall.

Chart I.—Hydrographs for several of the principal rivers of the United States.

Chart II.—Tracks of centers of high areas; and

Chart III.—Tracks of centers of low areas. The roman numerals show the chronological order of the centers. The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the observations at 8 a. m. and 8 p. m., 75th meridian time. Within each circle is also given (Chart II) the last three figures of the highest barometric reading or (Chart III) the lowest reading reported at or near the center at that time, and in both cases as reduced to sea level and standard gravity.

Chart IV.—Temperature departures. This chart presents the departures of the monthly mean temperatures from the monthly normals. The normals used in computing the departures were computed for a period of 33 years (1873 to 1905) and are published in Weather Bureau Bulletin "R," Washington, 1908. Stations whose records were too short to justify the preparation of normals in 1908 have been provided with normals as adequate records became available, and all have been reduced to the 33-year interval 1873-1905. The shaded portions of the chart indicate areas of positive departures and unshaded portions indicate areas of negative departures. Generalized lines connect places having approximately

equal departures of like sign. This chart of monthly temperature departures in the United States was first published in the MONTHLY WEATHER REVIEW for July, 1909.

Chart V.—Total precipitation. The scale of shades showing the depth is given on the chart. Where the monthly amounts are too small to justify shading and over sections of the country where stations are too widely separated or the topography is too diversified to warrant reasonable accuracy in shading, the actual depths are given for a limited number of representative stations. Amounts less than 0.005 inch are indicated by the letter T, and no precipitation by 0.

Chart VI.—Percentage of clear sky between sunrise and sunset. The average cloudiness at each Weather Bureau station is determined by numerous personal observations between sunrise and sunset. The difference between the observed cloudiness and 100 is assumed to represent the percentage of clear sky, and the values thus obtained are the basis of this chart. The chart does not relate to the nighttime.

Chart VII.—Isobars and isotherms at sea level and prevailing wind directions. The pressures have been reduced to sea level and standard gravity by the method described by Prof. Frank H. Bigelow on pages 13-16 of the REVIEW for January, 1902. The pressures have also been reduced to the mean of the 24 hours by the application of a suitable correction to the mean of the 8 a. m. and 8 p. m. readings at stations taking two observations daily, and to the 8 a. m. or the 8 p. m. observation, respectively, at stations taking but a single observation. The diurnal corrections so applied will be found in the Annual Report of the Chief of the Weather Bureau, 1900-1901, volume 2, Table 27, pages 140-164.

The isotherms on the sea-level plane have been constructed by means of the data summarized in chapter 8 of volume 2 of the annual report just mentioned. The correction, $t_0 - t$, or temperature on the sea-level plane minus the station temperature as given by Table 48 of that report, is added to the observed surface temperature to obtain the adopted sea-level temperature.

The prevailing wind directions are determined from hourly observations at the great majority of the stations; a few stations having no self-recording wind-direction apparatus determine the prevailing direction from the daily or twice-daily observations only.

Chart VIII.—Total snowfall. This is based on the reports from regular and cooperative observers and shows the depth in inches and tenths of the snowfall during the month. In general, the depth is shown by lines inclosing areas of equal snowfall, but in special cases figures are also given. Chart VIII is published only when the general snow cover is sufficiently extensive to justify its preparation.

Chart IX.—Average values of pressure, temperature, and prevailing wind directions, and storm tracks over the North Atlantic Ocean, for the corresponding month of last year.

TABLE I.—Climatological data for Weather Bureau stations, March, 1916.

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.						Precipitation.			Wind.																
	Barometer above sea level.	Thermometer above ground.	Anerometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. + 2.	Mean maximum.	Departure from normal.	Maximum.	Date.	Mean minimum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Total.	Departure from normal.	Days with 0.01" or more.	Total movement.	Precipitation direction.	Miles per hour.	Direction.	Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness.	Snow on ground at end of month.			
	Ft.	Ft.	Ft.	In.	In.	In.	° F.	° F.	° F.	° F.	In.	° F.	° F.	In.	° F.	%	In.	In.	Miles.													
New England.																																
Eastport.	76	67	85	29.71	29.80	- .13	24.6	- 4.3	50	30	31	4	18	18	27	21	16	73	1.64	- 2.6	11	11,159	w.	9	10	8	13	5.7	15.7	T.		
Greenville.	1,070	6	28.65	29.86	- .07	18.8	- 5.6	63	28	30	-11	22	8	39	26	23	15	61	5.22	+ 1.5	12	7,922	ne.	20	13	7	11	5.2	23.5			
Portland, Me.	103	82	117	29.76	29.89	- .07	26.8	- 5.2	57	37	34	1	18	19	26	23	15	61	3.01	- 0.4	10	4,800	nw.	24	17	6	4	4.1	36.3			
Concord.	288	70	79	29.56	29.89	- .11	28.1	- 5.4	65	31	36	- 2	12	16	38	33	15	61	1.31	- 0.5	11	7,348	s.	10	12	9	10	5.2	24.1			
Burlington.	404	11	48	29.47	29.94	- .08	20.7	- 6.6	57	31	30	5	18	12	32	27	16	78	1.31	- 1.5	9	5,072	n.	17	13	7	11	5.2	22.0	T.		
Northfield.	878	12	60	28.95	29.94	- .08	19.0	- 7.2	60	28	31	-13	12	7	50	27	20	69	3.20	- 0.9	15	8,570	w.	36	8	16	4	4.4	33.0			
Boston.	125	115	188	29.74	29.88	- .08	30.6	- 4.4	58	36	31	9	18	24	25	28	25	79	3.60	- 0.4	16	18,967	nw.	67	ne.	4	12	5.8	22.9	T.		
Nantucket.	12	14	90	29.83	29.84	- .14	30.4	- 6.4	46	31	36	9	18	25	16	28	26	83	1.73	- 2.6	12	16,776	nw.	56	nw.	8	14	5	12	5.5	11.6	
Block Island.	26	11	46	29.85	29.88	- .10	30.4	- 5.5	52	31	35	10	18	26	17	29	26	83	1.73	- 2.6	12	16,776	nw.	56	nw.	8	19	2	10	5.5	19.5	T.
Narragansett Pier.	9																															
Providence.	160	215	251	29.70	29.88	- .10	29.4	- 6.3	60	31	37	5	18	22	26	26	21	73	2.46	- 2.2	14	11,759	nw.	49	nw.	13	11	9	10	5.5	21.1	
Hartford.	159	122	140	29.73	29.92	- .07	29.1	- 5.6	64	31	37	4	18	23	33	25	19	68	2.77	- 1.6	13	6,267	nw.	29	nw.	17	11	7	13	5.5	27.4	
New Haven.	106	117	155	29.79	29.91	- .08	31.0	- 4.4	66	31	38	3	18	24	28	26	20	67	4.08	- 0.4	17	8,103	nw.	34	nw.	4	11	10	10	5.4	29.0	
Middle Atlantic States.							35.6	- 4.5										68	3.38	- 0.3									5.6			
Albany.	97	102	115	29.83	29.95	- .06	26.0	- 6.1	59	31	34	- 1	17	18	28	23	17	72	3.99	+ 1.2	12	6,103	nw.	29	nw.	17	15	8	8	4.5	37.9	T.
Binghamton.	871	10	69	28.97	29.93	- .09	25.0	- 7.0	58	30	34	- 6	18	16	34	27	19	61	3.71	- 0.4	15	3,243	nw.	22	w.	10	8	13	10	6.1	20.6	T.
New York.	314	414	454	29.57	29.93	- .07	32.2	- 5.3	63	31	39	7	18	25	23	27	23	68	4.14	+ 1.0	13	6,704	nw.	27	e.	23	9	9	13	5.8	10.5	
Harrisburg.	374	94	104	29.55	29.97	- .06	33.3	- 4.5	68	31	40	6	18	26	32	30	23	65	3.75	+ 0.3	12	9,280	nw.	37	nw.	5	10	8	13	5.8	9.3	
Philadelphia.	117	123	190	29.82	29.95	- .07	35.4	- 4.6	66	31	42	10	18	28	21	31	24	65	3.93	+ 0.4	11	6,565	nw.	31	nw.	5	7	9	15	6.5	8.9	
Reading.	325	81	98	29.60	29.96	- .03	32.2	- 5.6	69	31	41	5	18	26	31	29	25	75	5.73	+ 2.6	13	5,641	nw.	33	w.	5	8	13	10	5.8	38.0	
Scranton.	805	111	119	29.06	29.96	- .06	28.9	- 6.0	66	26	37	- 1	19	21	32	26	22	75	5.73	+ 2.6	13	5,641	nw.	36	nw.	28	10	7	14	6.0	7.1	
Atlantic City.	52	37	48	29.88	29.94	- .08	34.0	- 4.8	59	31	41	13	18	29	25	25	25	74	4.41	+ 0.7	13	7,285	nw.	38	nw.	1	9	12	13	6.1	20.6	T.
Cape May.	18	13	49	29.94	29.96	- .05	35.3	- 5.5	56	31	37	9	18	28	21	25	25	79	3.66	- 1.1	13	8,706	nw.	38	nw.	4	12	8	11	5.4	10.3	
Sandy Hook.	22	10	57	29.91	29.93	- .01	31.1	- 5.5	66	31	39	6	18	25	28	28	23	71	2.61	- 1.4	13	10,363	nw.	32	nw.	5	10	7	14	5.9	9.0	
Trenton.	190	159	183	29.72	29.93	- .02	32.2	- 5.6	66	31	39	6	18	25	28	28	23	71	2.61	- 1.4	13	10,363	nw.	46	nw.	5	10	8	13	5.8	2.5	
Baltimore.	123	100	113	29.83	29.96	- .07	37.0	- 4.9	64	31	41	13	18	30	26	32	24	62	3.61	- 0.3	10	6,496	nw.	28	nw.	5	10	8	13	5.7	1.8	
Washington.	112	62	85	29.83	29.95	- .09	37.9	- 4.3	71	25	47	14	18	29	37	32	25	62	2.80	- 1.0	10	6,212	nw.	38	nw.	5	10	9	12	5.7	1.8	
Lynchburg.	681	153	188	29.18	29.94	- .11	44.6	- 0.8	52	25	56	18	16	33	37	37	29	59	1.32	- 2.5	8	7,075	nw.	54	w.	22	11	7	5.5	1.1	1.1	
Norfolk.	91	170	205	29.84	29.94	- .09	44.1	- 3.6	77	25	54	20	37	37	38	31	65	1.68	- 2.6	9	9,118	nw.	45	nw.	15	8	13	8	4.2	2.5		
Richmond.	144	11	52	29.79	29.94	- .10	40.3	- 3.5	79	25	51	14	4	32	36	38	29	64	1.57	- 2.2	13	7,302	nw.	39	nw.	22	10	13	8	5.2	4.4	
Wytheville.	2,293	49	55	27.53	29.96	- .08	40.6	- 1.7	76	25	52	11	16	28	42	35	32	76	2.47	- 2.0	14	7,173	w.	42	w.	22	11	13	7	4.9	0.4	
South Atlantic States.							52.6	- 1.2										65	1.86	- 2.5									3.9			
Asheville.	2,255	70	84	27.59	29.98	- .08	44.5	- 0.4	76	14	58	13	16	32	43	37	31	67	1.74	- 3.3	10	8,601	nw.	37	nw.	15	14	9	8	4.1	1.8	
Charlotte.	773	158	161	29.11	29.96	- .09	49.8	- 1.0	77	25	61	21	16	39	33	42	34	59	1.38	- 2.2	9	9,145	nw.	54	sw.	22	13	15	8	5.7	1.0	
Hatteras.	11	12	50	29.94	29.94	- .10	48.4	- 3.0	68	25	55	29	4	42	29	44	39	74	2.30	- 3.2	10	14,513	sw.	57	nw.	3	18	10	12	5.5	1.0	
Manteo.	12	4	46				47.3		75	25	38	25	4	36	32	36	41	56	2.17	- 2.1	9	7,852	sw.	42	w.	22	13	7	10	5.5	1.0	
Raleigh.	376	103	110	29.94	29.95	- .10	49.3	- 1.1	79	14	61	23	16	38	36	41	32	56	2.17	- 2.1	9	7,852	sw.	42	w.	22	13	7	10	5.5	1.0	
Wilmington.	78	81	91	29.90	29.98	- .07	52.0	- 1.7	80	26	62	25	12	42	30	45	40	71	2.83	- 0.8	8	6,971	sw.	30	w.	8	17	7	7	3.7	2.7	
Charleston.	48	11	92	29.96	30.01	- .07	55.2	- 2.0	73	14	65	29	9	45	29	48	42	68	1.98	- 1.8	8	9,510	sw.	36	w.	3	22	7	7	3.4	2.7	
Columbia, S. C.	351	41	57	29.61	29.90	- .07	54.6	- 0.6	81	22	66	26	9	43	37	45	36	57	1.98	- 1.7	6	7,954	sw.	46	sw.	22	18	7	6			

TABLE I.—*Climatological data for Weather Bureau stations, March, 1916—Continued.*

Districts and stations.	Elevation of instruments.		Pressure.		Temperature of the air.										Precipitation.		Wind.		Maximum velocity.		Average cloudiness.		Snow on ground at end of month.									
			Barometer above sea level.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. + mean	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Total.	Departure from normal.	Days with 0.07" or more.	Total movement.	Precipitation direction.	Miles per hour.	Clear days.	Partly cloudy days.	Cloudy days.	In.	In.			
	Ft.	Ft.	Ft.	In.	In.	In.	In.	In.	° F.	° F.	° F.	Date.	° F.	° F.	%	70	In.	3.50	In.	0.9	Miles.		Date.				0-10	6-1	0-10	6-1		
<i>Ohio Valley and Tennessee.</i>																																
Chattanooga.....	762	189	213	29.21	30.03	-	.03	49.8	-1.5	.80	25	59	19	4	26	44	40	32	60	2.25	-3.8	9	5,468	sw.	37	11	8	12	5.3	0.5		
Knoxville.....	926	93	100	28.92	29.92	-	.07	47.7	-0.5	.81	21	61	29	16	43	36	45	39	64	2.22	-3.6	8	5,557	sw.	60	11	13	12	4.7	1.0		
Memphis.....	399	76	97	29.61	30.04	-	.00	52.0	-0.1	.81	21	61	40	37	42	41	34	64	3.60	-1.8	11	8,818	nw.	52	12	6	13	5.6	0.8			
Nashville.....	546	103	191	29.42	30.02	-	.03	47.2	-2.2	.82	21	58	20	4	37	42	37	44	64	3.30	-1.4	11	11,331	nw.	62	10	5	16	6.0	3.9		
Lexington.....	988	193	230	28.89	29.95	-	.07	41.2	-2.2	.76	24	51	9	4	31	39	37	31	67	3.85	-0.5	11	11,19	n.	72	10	8	14	5.9	5.0		
Louisville.....	525	219	255	29.41	30.00	-	.05	43.2	-1.0	.75	24	53	13	4	33	35	38	33	70	2.56	-2.0	11	10,029	nw.	62	7	5	17	6.9	6.1		
Evansville.....	431	130	175	29.51	29.99	-	.05	43.6	-1.0	.74	24	45	8	4	34	41	38	33	70	2.44	-1.6	11	10,200	sw.	58	7	6	18	6.8	6.5		
Indianapolis.....	822	194	230	29.07	29.95	-	.08	37.9	-1.7	.77	24	50	7	4	30	44	35	31	76	1.50	-0.3	10	8,949	nw.	48	7	2	16	13	7.0	5.5	
Terre Haute.....	575	96	129	29.34	29.97	-	.08	30.6	-3.9	.76	25	49	8	4	29	41	34	30	75	3.34	-0.3	15	7,253	n.	52	7	6	12	13	6.3	6.0	
Cincinnati.....	628	11	51	29.25	29.95	-	.07	35.9	-3.7	.80	25	45	6	16	26	32	28	26	76	4.88	+1.7	14	9,789	nw.	70	7	10	11	5.2	10.8		
Columbus.....	824	173	222	29.07	29.97	-	.07	35.5	-3.7	.77	25	46	7	4	27	33	33	29	79	3.51	+0.1	14	9,180	n.	55	7	5	12	14	6.6	6.1	
Dayton.....	599	181	216	28.97	29.95	-	.08	34.1	-5.4	.77	25	43	6	18	25	34	22	28	76	5.53	+1.5	17	9,718	nw.	46	7	5	19	7.1	11.0		
Pittsburgh.....	842	350	410	29.03	29.96	-	.08	36.8	-2.3	.82	25	48	8	18	26	45	32	28	76	10	4,113	w.	30	nw.	7	2	3	9	19	7.6	13.4	
Elkins.....	1,940	41	50	27.85	29.97	-	.08	36.8	-2.3	.79	25	49	13	16	30	39	34	29	72	4.48	+0.7	15	5,162	nw.	45	7	12	5	14	5.8	5.7	
Parkersburg.....	638	77	84	29.31	29.95	-	.07	38.4	-2.9	.79	25	49	13	16	30	39	34	29	72	4.48	+0.7	15	5,162	nw.	45	7	12	5	14	5.8	5.7	
<i>Lower Lake Region.</i>									27.3	-5.6																						
Buffalo.....	767	247	280	29.09	29.95	-	.07	27.1	-4.1	.67	26	35	-1	18	19	28	24	20	78	3.52	+0.9	17	12,813	w.	80	7	4	11	16	6.7	4.5	
Canton.....	448	10	61	29.45	29.95	-	.08	19.0	-8.7	.53	31	28	-11	18	10	26	23	18	75	1.16	-1.7	17	8,813	w.	42	10	17	7	9	19	8.8	1.0
Oswego.....	335	76	91	29.57	29.95	-	.06	24.4	-7.4	.59	26	31	-1	18	18	25	23	21	76	2.59	+0.1	14	9,261	n.	39	10	5	10	16	6.4	4.8	
Rochester.....	523	97	113	29.28	29.97	-	.05	28.0	-5.3	.62	31	34	-3	18	19	24	24	29	74	4.29	+1.4	10	8,191	nw.	44	10	7	11	13	6.3	27.9	
Syracuse.....	597	97	113	29.29	29.96	-	.06	24.6	-6.8	.57	28	32	-4	18	19	29	22	17	77	3.36	+1.0	20	8,191	n.	34	9	6	16	6.4	15.9		
Erie.....	714	130	166	29.16	29.95	-	.07	27.4	-5.7	.63	26	36	5	18	19	31	24	21	81	2.37	-0.3	13	11,043	n.	53	6	3	18	10	6.3	20.1	
Cleveland.....	762	190	201	29.12	29.97	-	.06	30.1	-4.1	.75	25	35	6	18	22	32	27	23	79	2.29	-0.5	16	10,593	nw.	56	6	3	15	6.4	15.7		
Sandusky.....	629	62	103	29.26	29.96	-	.07	30.0	-5.0	.72	25	36	9	16	22	40	27	24	81	3.09	+0.5	15	10,426	n.	48	7	10	14	6.3	16.1		
Toledo.....	628	208	243	29.25	29.95	-	.05	30.4	-4.4	.71	25	39	7	17	25	32	27	23	79	4.41	+2.1	15	11,339	n.	57	9	11	8	12	5.3	17.1	
Fort Wayne.....	856	113	124	29.03	29.98	-	.06	33.0	-5.9	.73	25	42	5	4	24	31	29	25	77	2.08	-1.6	11	8,025	ne.	46	9	7	8	16	6.4	2.3	
Detroit.....	730	215	245	29.16	29.98	-	.05	28.7	-4.2	.69	31	37	7	23	20	30	26	23	82	3.92	+1.6	16	7,875	n.	37	11	9	11	5.6	21.0		
<i>Upper Lake Region.</i>									23.7	-3.9																						
Alpena.....	609	13	92	29.31	30.00	-	.03	20.3	-4.7	.47	29	28	-5	1	12	29	19	16	83	3.46	+1.4	16	8,884	nw.	47	9	8	14	6.1	16.8		
Escanaba.....	612	54	60	29.33	30.03	-	.01	19.5	-4.0	.46	30	28	-10	17	11	33	13	78	3.05	+1.1	12	7,513	n.	39	9	5	13	6.2	7.3			
Grand Haven.....	632	54	92	29.28	29.99	-	.04	27.8	-3.0	.70	25	35	5	17	20	30	25	21	76	2.59	+0.1	14	9,261	n.	43	9	6	12	6.4	15.9		
Grand Rapids.....	707	70	87	29.20	29.90	-	.03	28.8	-4.2	.68	25	37	5	17	20	29	22	17	77	3.16	+0.6	15	6,413	n.	34	9	6	12	6.4	17.0		
Lansing.....	694	62	73	29.29	30.03	-	.01	17.6	-0.2	.46	28	26	-18	17	9	34	23	17	75	2.56	+0.5	11	6,413	w.	34	9	6	12	6.4	11.0		
Ludington.....	878	111	62	29.00	29.98	-	.06	28.2	-5.1	.67	25	36	-4	23	17	35	23	17	82	3.00	+0.4	18	8,908	n.	31	9	4	18	6.9	19.3		
Marquette.....	637	60	66	29.27	29.99	-	.06	25.7	-	.60	25	33	1	3	19	26	24	21	83	3.29	+0.8	18	8,662	n.	40	9	7	16	6.4	15.9		
Port Huron.....	734	77	111	29.23	29.99	-	.06	25.7	-	.64	31	32	1	3	17	28	23	20	84	3.36	+1.2	17	7,347	n.	33	9	8	16	6.4	31.5		
Saginaw.....	641	48	82	29.27	29.99	-	.06	24.6	-	.60	25	33	1	17	18	32	23	21	88	3.28	+0.6	13	7,982	rw.	28	9	6	14	7.0	10.2		
Sault Ste. Marie.....	614	11	61	29.31	30.04	+0.01	.01	16.2	-5.1	.53	30	28	-16	17	8	37	14	10	78	2.01	+0.2	12	6,963	nw.	37	11	6	14	5.8	7.0		
Chicago.....	823	140	310	29.29	29.99	-	.03	34.6	+0.2	.72	25	41	-12	14	23	32	31	26	72	2.48	-0.1	13	11,396	n.	48	9	7	15	6.6	5.5		
Green Bay.....	617	109	144	29.32	30.01	-	.03	23.8	-3.0	.54	31	32	-2	17	16	36	21	16	75	1.53	-0.9	12	9,118	n.	50	7	22	6	13	6.7	12.0	
Milwaukee.....	681	119	133	29.23	29.99	-	.04	29.7	-1.2	.56	31	36	8	4	23	28	25	28	85	2.38	-0.3	12	9,472	n.	40	7	23	14	6.0	11.7		
Duluth.....	1,133	11	47	28.73	30.05	-	.01	18.9	-5.2	.51	31	27	-9	2	11	31	17	14	82	2.48	+0.9	12	10,414	ne.	57	9	14	6	11	4.7	23.3	
<i>North Dakota.</i>									21.2	+ 0.3																						
Moorhead.....	940	8	57	29.01	30.07	-	.01	20.8	-0.6	.49	31	30	-24	2	12	35	19	18	89	1.51	+ 0.4	9	7,362	se.	30	nw.	7	16	6	9	4.1	7.6
Bismarck.....	1,674	8	57	28.21	30.05	-	.01	24.7	+ 2.6	.50	59	31	-23	2	15	34	22	18	80	3.27	+ 0.4	8	8,725	se.	36	nw.	7	16	6	11	5.2	4.3
Devils Lake.....	1,482	11	44	28.20	30.05	-	.00	17.0	-1.5	.46	27	26	-21	1	13	35	20	16	78	1.09	+ 0.1	10	10,022	ne.	42	n.	30	7	18	6	9	

TABLE I.—Climatological data for Weather Bureau stations, March, 1916—Continued.

Districts and stations.	Elevation of instruments.			Temperature of the air.												Wind.																
				Pressure.						Temperature of the air.						Precipitation.						Wind.										
	Barometer above sea level.	Thermometer above ground.	Anemometer above ground.	In.	In.	In.	°F.	°F.	°F.	°F.	°F.	°F.	Mean maximum.	Mean minimum.	Mean relative humidity.	Total.	In.	In.	Miles.	Total movement.	Miles per hour.	Maximum velocity.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness.	Total snowfall.	Show on ground at end of month.				
Havre.	2,505	11	44	27.27	29.98	—	.04	34.0	+ 6.7	65	20	45	-17	1	23	35	30	26	77	0.59	+ 0.1	8	6,503	sw.	42	w.	27	7	14	10	5.6	3.8
Helena.	4,110	87	114	25.73	29.97	—	.04	38.6	+ 7.6	68	11	49	-7	2	28	44	31	22	55	0.48	- 0.3	9	7,411	sw.	46	sw.	8	3	13	15	6.8	7.5
Kalispell.	2,962	11	84	26.82	29.99	—	.05	35.4	+ 2.4	67	16	44	2	27	31	31	26	73	2.43	+ 1.1	17	3,478	sw.	34	sw.	12	5	11	15	7.1	8.2	
Miles City.	2,371	26	48	27.41	30.20	—	.00	37.7	+ 9.1	71	20	50	9	2	25	44	32	24	74	0.35	- 0.4	34	5,566	ne.	34	nw.	12	10	9	5.4	1.8	
Rapid City.	3,259	50	58	26.52	30.00	—	.01	37.8	+ 6.2	73	27	51	-10	3	25	55	31	22	58	1.02	0.0	9	8,011	n.	48	n.	8	6	15	10	5.9	10.8
Cheyenne.	6,088	84	101	22.93	29.95	—	.01	38.6	+ 5.6	67	20	50	3	27	39	30	19	49	0.20	- 0.8	45	7,770	w.	78	nw.	21	7	16	8	5.8	2.0	
Lander.	5,372	60	68	24.58	29.99	—	.00	38.5	+ 7.2	69	17	53	2	24	48	30	20	53	1.62	0.0	6	5,323	w.	58	w.	5	13	10	8	5.1	13.0	
Sheridan.	5,790	10	47	26.03	29.99	—	.00	38.0	+ 7.3	73	17	52	-15	3	24	30	30	21	59	0.92	—	11	5,707	nw.	60	nw.	21	10	7	14	5.7	4.9
Yellowstone Park.	6,200	11	48	23.81	30.02	—	.00	32.4	+ 5.9	78	18	41	-7	2	24	30	27	21	64	1.46	- 0.7	4	9,169	s.	40	s.	5	6	12	13	6.6	10.7
North Platte.	2,821	11	51	27.02	29.98	—	.02	43.0	+ 7.7	80	20	58	-5	3	28	48	33	25	59	0.20	- 0.7	4	7,085	nw.	40	nw.	21	14	9	8	4.7	2.1
<i>Middle Slope.</i>																													4.5			
Denver.	5,292	108	113	24.67	29.94	—	.01	45.7	+ 7.0	75	12	59	7	2	33	41	34	19	41	0.52	- 0.5	3	7,317	w.	46	sw.	21	9	15	7	5.2	5.3
Pueblo.	4,585	80	25	23	29.92	—	.00	48.5	+ 7.9	78	12	64	9	2	33	50	37	23	42	0.65	- 0.2	4	6,950	nw.	50	w.	21	18	15	11	3.4	1.8
Concordia.	1,392	50	58	28.47	29.97	—	.04	44.5	+ 3.8	86	21	58	-3	3	31	44	36	26	62	0.37	- 1.1	5	7,782	nw.	52	nw.	21	15	10	6	3.2	3.3
Dodge.	2,508	11	51	27.36	29.98	—	.01	48.1	+ 6.4	88	21	64	0	3	32	55	37	27	55	0.68	- 0.2	5	8,880	n.	44	s.	23	16	11	4	4.2	5.5
Wichita.	1,358	139	158	28.48	29.93	—	.06	48.7	+ 4.6	82	21	62	1	3	36	43	39	30	56	1.50	- 0.8	6	12,149	n.	50	w.	21	18	6	7	3.8	2.0
Oklahoma.	1,214	10	47	28.67	29.95	—	.03	54.4	+ 5.2	95	21	68	12	3	41	42	43	33	54	1.66	- 0.7	6	13,606	s.	50	n.	14	18	6	7	4.1	T.
<i>Southern Slope.</i>																													2.8			
Abilene.	1,738	10	52	28.15	29.95	—	.01	62.4	+ 7.5	98	21	77	22	3	48	44	46	28	35	1.18	- 0.2	2	9,744	s.	39	n.	14	12	15	4	4.1	
Amarillo.	3,676	10	49	26.22	29.95	—	.00	63.7	+ 8.7	87	13	70	16	3	38	46	40	27	45	0.57	- 0.1	2	9,687	ne.	40	n.	25	25	2	1	2.8	4.0
Del Rio.	944	64	71	28.98	29.96	—	.01	68.7	+ 7.0	95	24	83	44	2	54	36	39	27	43	0.78	- 0.3	3	7,816	nw.	50	nw.	24	27	3	2	2.4	T.
Roswell.	3,566	75	85	26.34	29.93	—	.03	56.6	+ 5.3	87	12	72	27	3	41	48	41	21	30	0.58	+ 0.1	3	7,391	nw.	38	sw.	1	23	6	2	2.4	
<i>Southern Plateau.</i>																													2.9			
El Paso.	3,762	110	133	26.18	29.92	+	.04	60.4	+ 4.5	86	12	74	25	25	47	40	44	23	30	0.34	— 0.0	3	9,848	w.	57	sw.	22	19	10	2	2.7	T.
Santa Fe.	7,013	37	66	23.24	29.96	+	.07	43.6	+ 4.2	68	20	56	25	23	32	33	33	21	47	1.36	+ 0.6	9	7,233	s.	39	sw.	5	14	13	4	4.1	8.5
Flagstaff.	6,908	8	57	23.86	29.96	+	.05	40.0	+ 4.1	69	9	54	11	26	26	43	32	20	47	1.77	—	8	7,782	s.	46	w.	23	16	12	3	5.8	
Phoenix.	1,108	76	81	28.79	29.94	+	.03	64.0	+ 3.5	91	10	78	39	25	50	38	51	39	45	0.37	+ 0.1	4	3,922	e.	31	w.	23	16	6	6	3.0	
Yuma.	141	9	54	29.80	29.94	—	.00	69.8	+ 5.3	100	12	85	39	25	55	41	54	39	39	0.24	- 0.1	4	2,694	n.	40	w.	23	27	3	1	1.1	
Independence.	3,910	11	42	26.02	29.99	—	.05	52.0	+ 2.4	80	10	68	26	6	36	44	30	26	51	0.31	- 0.2	3	6,494	n.	45	nw.	1	18	10	3	3.4	
<i>Middle Plateau.</i>																													3.8			
Reno.	4,532	74	81	25.50	30.05	+	.07	46.9	+ 5.9	79	9	61	20	24	33	45	36	24	47	0.33	- 0.9	5	5,672	w.	39	se.	4	15	11	5	3.5	3.1
Tomopah.	6,090	12	20	24.09	30.03	—	.00	45.1	+ 4.6	69	9	56	24	35	32	35	35	23	46	0.57	- 0.8	1	8,433	se.	48	nw.	23	18	7	10	4.7	
Winnemucca.	4,344	18	56	25.64	30.06	+	.05	44.2	+ 4.6	75	11	59	19	24	30	46	36	26	58	0.62	- 0.3	6	6,035	sw.	35	nw.	5	14	10	4	2.2	
Modena.	5,479	10	43	24.03	30.01	+	.01	42.6	+ 3.4	72	12	58	3	27	46	34	24	23	53	1.50	+ 0.2	8	8,661	w.	48	nw.	21	18	9	4	3.1	5.5
Salt Lake City.	4,360	147	189	25.33	30.03	+	.05	46.3	+ 4.9	73	17	56	2	36	30	38	26	21	51	0.03	+ 1.0	9	6,371	se.	53	nw.	5	14	7	10	4.8	16.0
Grand Junction.	4,602	92	96	25.40	30.00	+	.06	45.8	+ 2.3	72	19	58	16	3	34	33	36	25	49	0.71	0.0	3	5,689	nw.	36	se.	23	17	6	8	3.9	6.9
<i>Northern Plateau.</i>																													7.3			
Baker.	3,471	48	53	26.44	30.06	+	.03	39.8	+ 4.3	63	16	49	20	1	30	32	35	30	70	0.89	- 0.6	11	5,588	se.	33	s.	3	6	11	14	6.3	5.7
Boise.	2,739	78	88	27.19	30.03	—	.04	46.0	+ 3.8	72	16	56	25	23	36	31	38	27	52	0.71	- 0.7	8	5,385	s.	33	nw.	23	18	7	10	4.7	4.0
Lewiston.	757	40	48	29.21	30.03	—	.00	46.4	+ 2.4	70	11	55	28	23	38	32	32	20	47	1.77	+ 0.5	18	3,093	e.	26	w.	5	3	8	20	7.9	2.

TABLE II.—Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during March, 1916, at all stations furnished with self-registering gages.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Abilene, Tex.	31-1 ¹			2.53																0.24	
Albany, N. Y.	14-16			1.31															*	*	
Alpena, Mich.	26-27			2.05															*	*	
Amarillo, Tex.	31			0.40																	
Anniston, Ala.	25-26			1.26																.40	
Asheville, N. C.	26-27			0.72																.19	
Atlanta, Ga.	7	11:17 a.m.	12:50 p. m.	0.77	11:20 a. m.	11:54 a. m.	0.01	0.06	0.13	0.15	0.20	0.34	0.43	0.59							
Atlantic City, N. J.	28-30			1.45																*	
Augusta, Ga.	7			0.80																.58	
Baker, Oreg.	22			0.39																*	
Baltimore, Md.	27-29			1.59																.33	
Bentonville, Ark.	25			0.65																.26	
Binghamton, N. Y.	14-15			1.36																.11	
Birmingham, Ala.	25-26			2.37																.45	
Bismarck, N. Dak.	21			1.90																*	
Rock Island, R. I.	22			0.45																.11	
Boise, Idaho.	20			0.23																.18	
Boston, Mass.	6-7			0.68															*		
Buffalo, N. Y.	27-28			0.65															*	*	
Burlington, Vt.	8-9			0.74															*	*	
Cairo, Ill.	1			0.73															*	*	
Canton, N. Y.	8-9			0.44															*	*	
Charles City, Iowa.	21-22			0.93															*	*	
Charleston, S. C.	2-3	11:30 p. m.	6:55 a. m.	1.05	6:05 a. m.	6:14 a. m.	.48	.37	.50										.20		
Charlotte, N. C.	3			0.30															*		
Chattanooga, Tenn.	25-26			1.13															*		
Cheyenne, Wyo.	24			0.11															*		
Chicago, Ill.	26-27			1.21															.35		
Cincinnati, Ohio.	26-27			0.86															.16		
Cleveland, Ohio.	27			0.33															.20		
Columbia, Mo.	25-27			1.05															.58		
Columbia, S. C.	1-2			0.84															.42		
Columbus, Ohio.	26-27			2.06															*		
Concord, N. H.	8			0.79															*		
Concordia, Kans.	2			0.19															*		
Corpus Christi, Tex.	0			0.00															0		
Davenport, Iowa.	26			1.35															*		
Dayton, Ohio.	26-27	5:25 p. m.	5:35 a. m.	1.56	5:33 p. m.	8:00 p. m.	.12	.30	.33										.33		
Del Rio, Tex.	31-1 ¹			0.85															*		
Denver, Colo.	24			0.35															.11		
Des Moines, Iowa.	25			0.19															*		
Detroit, Mich.	21-22			1.05															*		
Devils Lake, N. Dak.	28-29			0.46															*		
Dodge City, Kans.	25-26			0.31															*		
Dubuque, Iowa.	25	D. N. a. m.	2:20 p. m.	0.70	5:46 a. m.	5:56 a. m.	.32	.18	.31										*		
Duluth, Minn.	4-6			0.94															*		
Durango, Colo.																			*		
Eastport, Me.	15-16			0.59															*		
Elkins, W. Va.	22			1.28															.54		
El Paso, Tex.	31-1 ¹			0.45															.06		
Erie, Pa.	22			0.75															*		
Escanaba, Mich.	6			1.42															*		
Eureka, Cal.	4-6			1.77															.32		
Evansville, Ind.																			*		
Flagstaff, Ariz.	22-24			0.88															*		
Fort Smith, Ark.	25			0.32															.18		
Fort Wayne, Ind.	26-27			0.84															*		
Fort Worth, Tex.	31-1 ¹	2:49 p. m.	10:55 a. m.	3.93	8:22 p. m.	8:50 p. m.	.30	.06	.18	.33	.48	.60	.63						.17		
Fresno, Cal.	19-20			0.72															.		
Galveston, Tex.	25			0.24															.		
Grand Haven, Mich.	26-28			1.64															.		
Grand Junction, Colo.	1-2			0.32															.		
Grand Rapids, Mich.	26-27			1.68															.28		
Green Bay, Wis.	25-26			0.51															.		
Hannibal, Mo.	26-27			0.80															.25		
Harrisburg, Pa.	27-30			1.51															*		
Hartford, Conn.	6-7			0.73															*		
Hatteras, N. C.	2			1.08															*		
Havre, Mont.	29			0.18															*		
Helena, Mont.	27-29			0.25															*		
Houghton, Mich.	6			0.57															.		
Houston, Tex.	25			T.														.			
Huron, S. Dak.	23-24			0.44															*		
Independence, Cal.	4			0.28															.05		
Indianapolis, Ind.	25			0.78															.36		
Iola, Kans.	24-25			0.95															.26		
Jacksonville, Fla.	7-8	10:30 p. m.	D. N. a. m.	0.47	10:53 p. m.	10:59 p. m.	.01	.27	.29										.		
Kalispell, Mont.	4-5			0.70															*		
Kansas City, Mo.	26			2.68															.37		
Keokuk, Iowa.	26-27			0.72															*		
Key West, Fla.	8			0.47															.35		
Knoxville, Tenn.	26-27			0.90															*		
La Crosse, Wis.	25			0.48															.23		
Lander, Wyo.	23-24			0.98															*		
Lansing, Mich.	26-28			1.44															*		
Lewiston, Idaho.	8			0.68															*		
Lexington, Ky.	26			1.15															.34		
Lincoln, Nebr.	24-25			0.88															*		
Little Rock, Ark.	25			1.11															.32		
Los Angeles, Cal.	20			0.53															.17		
Louisville, Ky.	26	1:48 p. m.	3:45 p. m.	0.78	2:04 p. m.	2:14 p. m.	.07	.30	.53										*		
Ludington, Mich.	6-8		</																		

TABLE II.—Accumulated amounts of precipitation for each 5 minutes for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during March, 1916, at all stations furnished with self-registering gages—Continued.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		3 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Meridian, Miss.	25	1:30 p. m.	D. N. p. m.	2.27	3:15 p. m.	3:40 p. m.	0.17	0.14	0.28	0.44	0.61	0.74	.....	.....	.....	.....	.....	.....	.....	0.17	.....
Miami, Fla.	8	.....	.....	0.27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Milwaukee, Wis.	21-22	.....	.....	0.90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Minneapolis, Minn.	23-24	.....	.....	0.34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Mobile, Ala.	25-26	.....	.....	1.05	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Modena, Utah	20-21	.....	.....	0.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Montgomery, Ala.	25-26	5:55 p. m.	D. N. a. m.	1.87	12:14 a. m.	12:46 a. m.	.32	.07	.13	.21	.42	.71	0.93	1.04	.....	.....	.....	.....	.....	.....	.....
Moorhead, Minn.	30	.....	.....	0.54	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Mount Tamalpais, Cal.	4	.....	.....	0.48	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.09	.....
Nantucket, Mass.	3-4	.....	.....	1.19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.51	.....
Nashville, Tenn.	1	.....	.....	0.60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
New Haven, Conn.	6-7	.....	.....	0.91	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.30	.....
New Orleans, La.	15	.....	.....	0.30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.21	.....
New York, N. Y.	6-7	.....	.....	0.96	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.20	.....
Norfolk, Va.	3	.....	.....	0.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Northfield, Vt.	8-9	.....	.....	0.58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
North Head, Wash.	7-9	.....	.....	3.36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
North Platte, Nebr.	2	.....	.....	0.08	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Oklahoma, Okla.	24	4:55 p. m.	9:10 p. m.	0.88	6:08 p. m.	6:20 p. m.	.05	.09	.30	.37	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Omaha, Nebr.	25	.....	.....	0.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.29	.....
Oswego, N. Y.	6	.....	.....	0.31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.33	.....
Palestine, Tex.	25	.....	.....	0.47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.20	.....
Parkersburg, W. Va.	27-28	.....	.....	1.77	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.25	.....
Pensacola, Fla.	26	.....	.....	0.23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.10	.....
Pekoria, Ill.	26	.....	.....	1.01	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.34	.....
Philadelphia, Pa.	28-30	.....	.....	1.43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Phoenix, Ariz.	22	.....	.....	0.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.20	.....
Pierre, S. Dak.	21	.....	.....	0.19	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Pittsburgh, Pa.	20-22	.....	.....	1.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.22	.....
Pocatello, Idaho	23-24	.....	.....	1.37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Point Reyes Light, Cal.	3-4	.....	.....	0.47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.12	.....
Port Huron, Mich.	26-27	.....	.....	0.55	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Portland, Me.	8-9	.....	.....	1.28	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.31	.....
Portland, Oreg.	24-25	.....	.....	2.85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Providence, R. I.	6-7	.....	.....	0.65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Pueblo, Colo.	13-14	.....	.....	0.45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Raleigh, N. C.	1-2	.....	.....	0.59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.22	.....
Rapid City, S. Dak.	28-30	.....	.....	0.85	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Reading, Pa.	22	.....	.....	0.91	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.29	.....
Red Bluff, Cal.	3-4	.....	.....	0.69	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Reno, Nev.	1	.....	.....	0.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Richmond, Va.	1-3	.....	.....	0.91	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Rochester, N. Y.	14-15	.....	.....	1.50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Roseburg, Oreg.	3-6	.....	.....	2.97	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Roswell, N. Mex.	23	.....	.....	0.47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.18	.....
Sacramento, Cal.	4	.....	.....	0.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.14	.....
Saginaw, Mich.	27-28	.....	.....	1.22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
St. Joseph, Mo.	24-25	9:25 p. m.	D. N. a. m.	1.53	10:02 p. m.	10:25 p. m.	.06	.16	.20	.40	.72	.81	.....	.....	.....	.....	.....	.....	.....	.13	.....
St. Louis, Mo.	25	6:59 a. m.	6:59 a. m.	0.53	6:59 a. m.	7:07 a. m.	.00	.21	.33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
St. Paul, Minn.	23-24	.....	.....	0.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Salt Lake City, Utah	23-24	.....	.....	1.84	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
San Antonio, Tex.	31-1	10:37 p. m.	6:42 a. m.	1.18	10:33 p. m.	11:08 p. m.	.11	.18	.33	.49	.....	.....	.....	.....	.....	.....	.....	.....	.....	.13	.....
San Diego, Cal.	5	.....	.....	0.46	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Sand Key, Fla.	3	12:21 p. m.	4:20 p. m.	0.53	12:27 p. m.	12:39 p. m.	.01	.30	.35	.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Sandusky, Ohio	22	.....	.....	1.17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.17	.....
San Francisco, Cal.	4	.....	.....	0.65	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.16	.....
San Jose, Cal.	17	.....	.....	0.21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.27	.....
San Luis Obispo, Cal.	4-5	.....	.....	0.93	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Santa Fe, N. Mex.	23-24	.....	.....	0.63	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Seal Sts. Marie, Mich.	6-7	.....	.....	0.71	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.35	.....
Savannah, Ga.	3	.....	.....	0.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Scranton, Pa.	14-16	.....	.....	1.99	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Seattle, Wash.	19-20	.....	.....	1.06	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.16	.....
Sheridan, Wyo.	28-30	.....	.....	0.61	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Shreveport, La.	25	4:00 a. m.	5:40 a. m.	1.35	4:06 a. m.	5:02 a. m.	.01	.14	.20	.46	.51	.67	.82	.93	1.05	1.15	1.21	1.33	.....	*	.....
Souix City, Iowa	25	.....	.....	0.31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Spokane, Wash.	21-22	.....	.....	0.53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*	.....
Springfield, Ill.	26-27	.....	.....	1.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.36	.....
Springfield, Mo.	25	.....	.....	0.76	.....	.....	.....	.....									

TABLE III.—*Data furnished by the Canadian Meteorological Service, March, 1916.*

Stations.	Altitude above M. S. L.* Jan. 1, 1916.	Pressure.			Temperature of the air.						Precipitation.		
		Station reduced to mean of 24 hours.	Sea-level reduced to mean of 24 hours.	Depart- ture from normal.	Mean max. mean min.+2.	Depart- ture from normal.	Mean maxi- mum.	Mean mini- mum.	Highest.	Lowest.	Total.	Depart- ture from normal.	Total snowfall.
St. Johns, N. F.	125	Inches.	Inches.	Inches.	°F.	°F.	°F.	°F.	°F.	°F.	Inches.	Inches.	Inches.
Sydney, C. B. I.	48	29.51	29.65	-0.23	25.4	-2.3	31.2	19.7	41	5	4.72	-0.04	17.0
Halifax, N. S.	88	29.69	29.73	-0.15	23.6	-2.6	32.1	15.1	51	-6	4.10	-0.83	33.0
Yarmouth, N. S.	65	29.63	29.74	-0.20	25.7	-3.3	33.9	17.6	54	-2	3.12	-2.34	31.2
Charlottetown, P. E. I.	38	29.70	29.74	-0.18	26.2	-4.6	31.9	20.6	52	5	5.42	+0.57	53.4
Chatham, N. B.	28	29.80	29.85	-0.07	19.8	-5.6	28.8	12.8	45	-8	2.59	-0.62	25.9
Father Point, Que.	20	29.86	29.89	-0.01	16.1	-4.2	23.4	8.9	46	-7	0.77	-1.96	7.7
Quebec, Que.	206	29.53	29.92	-0.04	16.4	-4.8	24.5	8.4	48	-9	1.20	-2.06	12.0
Montreal, Que.	187	29.72	29.94	-0.06	20.3	-3.5	27.1	13.5	53	-7	2.36	-1.43	22.8
Stonecliffe, Ont.	439	29.30	29.93	-0.08	16.1	-2.9	30.1	2.2	59	-28	1.28	-0.78	9.6
Ottawa, Ont.	236	29.68	29.96	-0.05	18.0	-3.5	28.2	8.0	53	-16	2.32	-0.40	23.1
Kingston, Ont.	285	29.64	29.98	-0.03	21.4	-4.2	30.1	12.7	54	-12	0.90	-1.74	5.3
Toronto, Ont.	379	29.54	29.94	-0.08	25.4	-1.9	33.0	17.7	57	-2	2.73	+0.09	18.6
White River, Ont.	1,244	28.63	30.01	-0.08	7.8	-4.4	26.4	10.8	56	-49	1.88	+0.50	15.7
Port Stanley, Ont.	502	29.31	29.97	-0.06	24.8	-2.4	29.6	12.6	49	-9	3.71	+0.83	30.0
Southampton, Ont.	656	29.24			21.1	-3.6	29.6	12.6	49	-9	3.71	+1.06	30.0
Parry Sound, Ont.	688	29.26	29.98	-0.04	18.5	-2.6	29.0	8.0	56	-17	1.64	-0.59	14.9
Port Arthur, Ont.	644	29.32	30.05	-0.00	17.6	+0.8	28.9	6.4	48	-19	1.32	+0.35	10.4
Winnipeg, Man.	760	29.22	30.10	+0.01	14.8	+2.5	24.2	5.5	41	-26	2.13	+1.10	21.3
Minnedosa, Man.	1,690	28.18	30.09	+0.03	12.6	+0.1	22.8	2.4	43	-35	2.11	+1.46	21.1
Qu'Appelle, Sask.	2,115	27.68	30.03	-0.01	15.1	+0.2	25.2	5.1	45	-30	2.24	+1.47	21.8
Medicine Hat, Alberta	2,144	27.57	29.89	-0.11	32.1	+4.6	43.9	20.4	67	-20	0.29	-0.47	2.2
Swift Current, Sask.	2,392	27.30	29.96	-0.06	25.9	+1.9	33.8	14.1	56	-26	1.68	+1.07	18.8
Calgary, Alberta	3,428	26.30	29.92	-0.03	30.1	+3.9	43.1	17.2	64	-12	0.76	+0.04	6.8
Banff, Alberta	4,521	25.22	29.92	-0.02	27.0	+6.8	37.1	17.0	51	-22	1.57	+0.16	14.9
Edmonton, Alberta	2,150	27.59	29.95	-0.01	22.1	-2.1	33.0	11.3	57	-20	0.80	+0.08	7.8
Prince Albert, Sask.	1,450	28.42	30.05	-0.03	15.0	+3.0	27.2	2.7	50	-32	0.98	+0.21	9.8
Battleford, Sask.	1,592												
Kamloops, B. C.	1,262	28.65	29.96	+0.04	40.0	+3.9	48.9	31.1	64	15	0.46	-0.11	0.5
Victoria, B. C.	230	29.72	29.98	+0.01	42.6	+0.7	47.3	37.8	58	31	5.37	+2.25	0.2
Barkerville, B. C.	4,180	25.50	29.86	-0.02	26.7	+0.6	34.9	18.6	54	0	3.61	+1.72	24.0
Hamilton, Bermuda.	151												

* The altitudes given above were furnished by the Director of the Canadian Meteorological Service, Mar. 9, 1916, and refer to cisterns of barometers at the respective stations. Where sea-level pressures and departures are *italicized* new reduction factors are in course of computation.—C. A., Jr.

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